

Amendments to and listing of the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1-83. (Cancelled)

84. (Previously Presented) A method of forming a composite array of single-wall carbon nanotubes comprising:

- a) providing a plurality of single-wall carbon nanotubes;
- b) assembling the single-wall carbon nanotubes into at least two substantially two-dimensional arrays, wherein each of the two-dimensional arrays comprise the single-wall carbon nanotubes aggregated in substantially parallel orientation; and
- c) assembling the two-dimensional arrays into a single composite array.

85. (Previously Presented) The method of claim 84 wherein the two-dimensional arrays comprise single-wall carbon nanotubes having a homogeneous characteristic selected from the group consisting of lengths, diameters, helicities and combinations thereof.

86. (Previously Presented) The method of claim 84 wherein at least two of the two-dimensional arrays comprise single-wall carbon nanotubes having different homogeneous characteristics, and wherein the homogeneous characteristics are selected from the group consisting of lengths, diameters, helicities and combinations thereof.

87-89. (Cancelled)